AMENDMENTS TO THE CLAIMS/LISTING OF CLAIMS:

This listing of the claims will replace all prior versions and listings that have been previously submitted within this application:

1. (Currently Amended) A composition suitable for medical and surgical applications, comprising:

a biologically compatible scaffold material having at least one irregular surface and including one of small intestine submucosa or poly(L-lactic-co-glycolic acid) (PLGA), and

a biologically compatible light-activated adhesive, the light-activated adhesive including bovine serum albumin and a light absorber selected from at least one of red food coloring, blue food coloring and green food coloring, the light-activated adhesive also being coupled to the scaffold to form a composite, such that when the irregular surface of the composite is applied to biological tissue and the composite is activated by light energy to repair the biological tissue, the composite has a tensile strength of at least about 130% of the tensile strength of the adhesive alone.

2. (Original) The composition of claim 1, wherein the time-to-failure of the biological tissue repair is at least about 150% of the time-to-failure of a composite when a smooth surface of the scaffold is applied.

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Currently Amended) A composition adaptable to repair biological tissue, comprising:

a biologically compatible scaffold material, the scaffold material being selected from at least one of poly(glycolic acid), poly(L-lactic-co-glycolic acid), poly (epsilon-caprolactone), poly(ethylene glycol), poly(ortho ester)s, poly (anhydride)s, small intestine submucosa, polymerized collagen, and polymerized elastin,

a biologically compatible adhesive including bovine serum albumin, and

a light absorber including ~~one of food colorings~~ at least one of red food coloring, blue food coloring and green food coloring, ~~pH indicators, water and hemoglobin~~, the light

absorber having a concentration of about 200 – 1000 μL / 13 mL of deionized water.

7. (Cancelled)

8. (Original) The composition of claim 6, wherein the light absorber is selected to provide a solder/interface temperature of 66 ± 3°C.

9. (Cancelled)

10. (Previously Presented) The composition of claim 6, wherein the light absorber concentration is about 600 μL / 13 mL deionized water.

11. (Cancelled)

12. (Cancelled)

13. (Original) The composition of claim 6, wherein the green food coloring includes blue #1 and yellow #5.

14–31. (Cancelled)

32. (Previously Presented) The composition of claim 1, wherein the biologically compatible scaffold material has a defined length and includes a plurality of surface irregularities spaced apart along the length of the scaffold material.

33. (Previously Presented) The composition of claim 32, wherein the plurality of surface irregularities are introduced to the scaffold material by at least one of molding, drilling and punching.

34. (Previously Presented) The composition of claim 1, wherein the scaffold material is adapted to deliver a biologically active material to a wound when the composite is applied to the wound.

35. (Previously Presented) The composition of claim 1, further comprising a biologically active material selected from at least one of antibiotics, anesthetics, anti-

inflammatories, bacteriostatics, bacteriocidals, chemotherapeutic agents, vitamins, anti-neovascular growth factors, pro-neovascular growth factors, tissue cell growth factors, hemostatic agents and thrombogenic agents.

36. (Previously Presented) The composition of claim 1, wherein the scaffold material provides reinforcement for wound repair in combination with the light-activated adhesive without any sutures, stapes, clips or other closure devices.

37. (Previously Presented) The composition of claim 1, wherein the scaffold material is adapted to provide a continuous alignment of opposing portions of biological tissue needing repair.

38. (Currently Amended) The composition of claim ~~5~~ 1, wherein the poly(L-lactic-co-glycolic acid) has an 85:15 lactic:glycolic copolymer ratio.

39. (Previously Presented) The composition of 38, wherein the biologically compatible adhesive includes 50% w/v bovine serum albumin.

40. (Previously Presented) The composition of claim 6, wherein the biologically compatible scaffold material comprises poly(L-lactic-co-glycolic acid) having an 85:15 lactic:glycolic copolymer ratio.

41. (Previously Presented) The composition of claim 40, wherein the biologically compatible adhesive includes 50% w/v bovine serum albumin.

42. (Previously Presented) The composition of claim 6, wherein the biologically compatible scaffold material has a defined length and includes a plurality of surface irregularities spaced apart along the length of the scaffold material.

43. (Previously Presented) The composition of claim 42, wherein the plurality of surface irregularities are introduced to the scaffold material by at least one of molding, drilling, and punching.

44. (Previously Presented) The composition of claim 6, wherein the scaffold material

is adapted to deliver a biologically active material to a wound when the composite is applied to the wound.

45. (Previously Presented) The composition of claim 6, further comprising a biologically active material selected from at least one of antibiotics, anesthetics, anti-inflammatories, bacteriostatics, bacteriocidals, chemotherapeutic agents, vitamins, anti-neovascular growth factors, pro-neovascular growth factors, tissue cell growth factors, hemostatic agents and thrombogenic agents.

46. (Previously Presented) The composition of claim 6, wherein the scaffold material provides reinforcement for wound repair in combination with the adhesive without any sutures, stapes, clips or other closure devices.

47. (Previously Presented) The composition of claim 6, wherein the scaffold material is adapted to provide a continuous alignment of opposing portions of biological tissue needing repair.

48. (Currently Amended) A composition adaptable to repair biological tissue, comprising:

a biologically compatible scaffold material, the scaffold material being selected from at least one of poly(glycolic acid), poly(L-lactic-co-glycolic acid), poly (epsilon-caprolactone), poly(ethylene glycol), poly(ortho ester)s, poly(anhydride)s, small intestine submucosa, polymerized collagen, and polymerized elastin,

a biologically compatible light-activated adhesive <u>including bovine serum albumin</u>, the light-activated adhesive including a light absorber selected from at least one of red food coloring, blue food coloring and green food coloring, the light absorber being selected to provide a solder/interface temperature of 66 + 3°C and having a concentration of about 200 – 1000 μL / 13 mL of deionized water.

49. (Previously Presented) The composition of claim 48, wherein the light absorber concentration is about 600 μL / 13 mL deionized water.

50. (Previously Presented) The composition of claim 48, further comprising a biologically active material selected from at least one of antibiotics, anesthetics, anti-

inflammatories, bacteriostatics, bacteriocidals, chemotherapeutic agents, vitamins, anti-neovascular growth factors, pro-neovascular growth factors, tissue cell growth factors, hemostatic agents and thrombogenic agents.

51. (Previously Presented) The composition of claim 48, wherein the biologically compatible scaffold material comprises poly (L-lactic-co-glycolic acid) having an 85:15 lactic:glycolic copolymer ratio.

52. (Previously Presented) The composition of claim 48, wherein the biologically compatible adhesive includes 50% w/v bovine serum albumin.